

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/FI 2004/000043

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: H04L 9/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: H04Q, H04L, H04M, G06F**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                    | Relevant to claim No. |
|-----------|---|-----------------------|
| X         | US 6237093 B1 (HARRI VATANEN), 22 May 2001<br>(22.05.2001), column 2, line 9 - column 3, line 55,<br>abstract<br>--   | 1-30                  |
| X         | US 2002138450 A1 (GILLES KREMER), 26 Sept 2002<br>(26.09.2002), see paragrap(s) [0033]-[0039],<br>[0061]-[0066]<br>-- | 1-30                  |
| A         | US 6381696 A (MICHAEL D. DOYLE), 30 April 2002<br>(30.04.2002), abstract<br>--  | 1-30                  |
| A         | EP 1187419 A2 (PIONEER CORPORATION MEGURO-KU),<br>13 March 2002 (13.03.2002), abstract<br>--                          | 1-30                  |

Further documents are listed in the continuation of Box C.

See patent family annex.

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| * Special categories of cited documents: |  |
| "A"                                      | document defining the general state of the art which is not considered to be of particular relevance   |
| "E"                                      | earlier application or patent but published on or after the international filing date  |
| "L"                                      | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  |
| "O"                                      | document referring to an oral disclosure, use, exhibition or other means   |
| "P"                                      | document published prior to the international filing date but later than the priority date claimed   |
| "T"                                      | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| "X"                                      | document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| "Y"                                      | document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "&"                                      | document member of the same patent family  |

Date of the actual completion of the international search

1 April 2004

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04-05-2004

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

PCT/FI 2004/000043

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|    |         |    |            | EP | 1027806    | A | 16/08/2000 |
|    |         |    |            | FI | 972819     | A | 31/12/1998 |
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